

Abstract Of The Disclosure

Apparatus and methods for perfusing ischemic myocardium, and optionally, for reducing the load on a patient's left ventricle, are provided using a inlet conduit having an inlet end configured for insertion into an oxygenated blood source, including without limitation, the left atrium, left ventricle, aorta, pulmonary vein, subclavian artery, brachiocephalic artery, radial artery or femoral artery, coupled to an outlet conduit having an outlet end configured for insertion into the coronary venous vasculature via the coronary ostium. The inlet conduit may include a stylet or elastomeric sleeve that facilitates placement, while the outlet conduit may include a valve for limiting a peak pressure attained in the coronary venous system. A motor-driven or hydraulically-actuated pump optionally may be coupled in the flow path, and control circuitry provided to control the pump with a user selected duty cycle.